**Earth Science Volcanoes (Chapter 13 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words**

Magma-

Volcanism-

Lava-

Hot spot-

Mafic-

Felsic-

Pyroclastic material-

Caldera-

aa lava-

Pahoehoe lava-

Blocky lava-

*Respond to the following:*

What are the three conditions where magma can form? Explain each condition. (3 pts)

What are the three tectonic settings where volcanism can occur? (1 pt)

How can magma form plutons? Explain. (2 pts)

How does the composition of magma affect volcanic eruptions and lava flow? Explain. (2 pts)

What are the five major types of of pyroclastic material? Explain each type. (5 pts)

What are the three main types of volcanic cones? Explain each type. (3 pts)

How does a caldera form? Explain. (2 pts)

What are three events that might signal a volcanic eruption? Explain. (3 pts)

***ABOUT THE READING:***

Write three things that you learned about Volcanoes*:*

***Make sure to write a full sentence.***

*Example: I learned that pahoehoe lava looks "ropy" and is a type of mafic lava.*

*1.*

*2.*

*3.*

***Assigned work****: pg. 322, #8-16, 19, 24, 27*